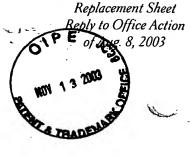
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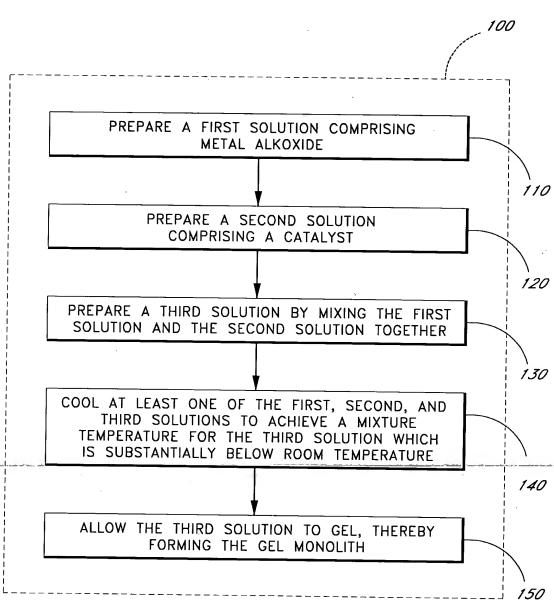


FIG. 1

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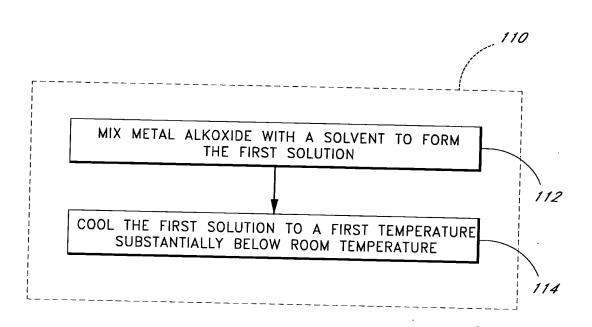
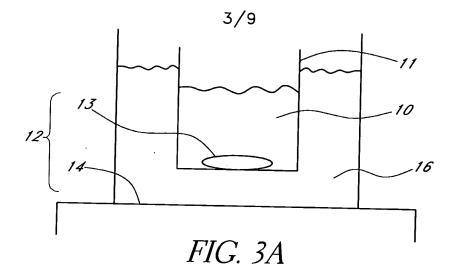


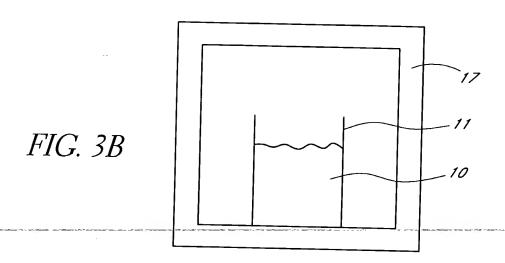
FIG. 2

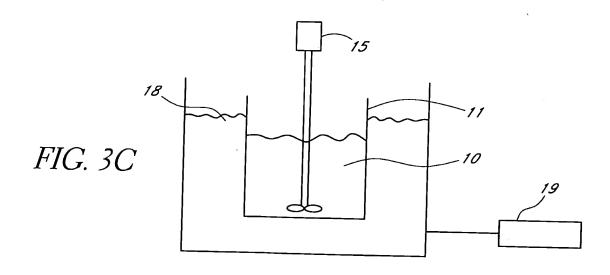
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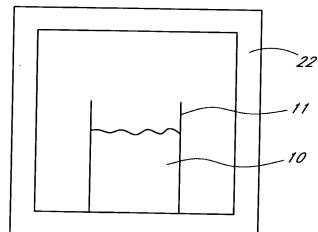
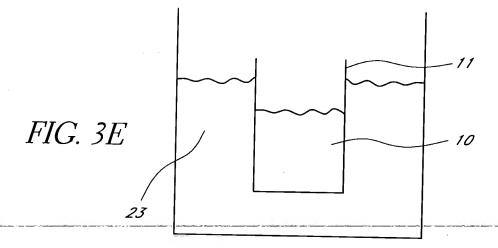


FIG. 3D



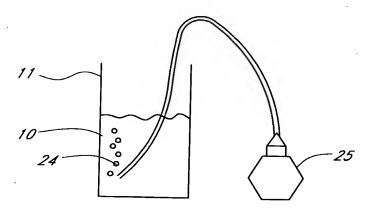


FIG. 3F

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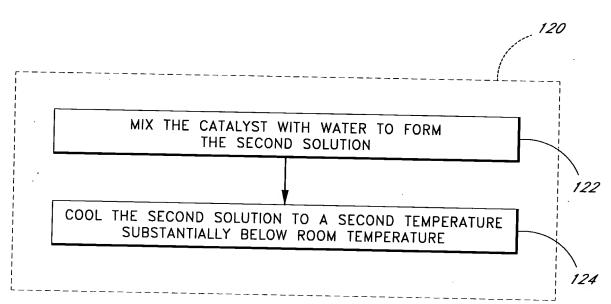


FIG. 4

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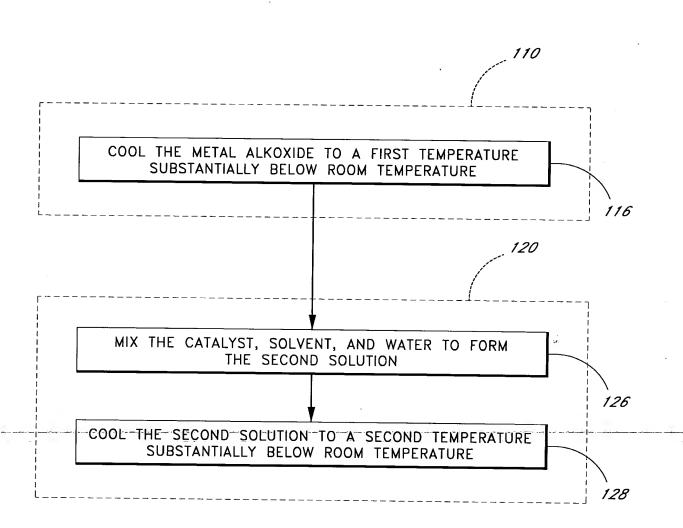


FIG. 5

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130 MIX THE FIRST SOLUTION WITH THE SECOND SOLUTION TO FORM THE THIRD SOLUTION 132 COOL THE THIRD SOLUTION TO A MIXTURE TEMPERATURE CONCURRENTLY WITH MIXING THE FIRST SOLUTION WITH THE SECOND SOLUTION 142

FIG. 6

SOL-GEL PROCESS UTILIZING REDUCED MIXING TEMPERATURES

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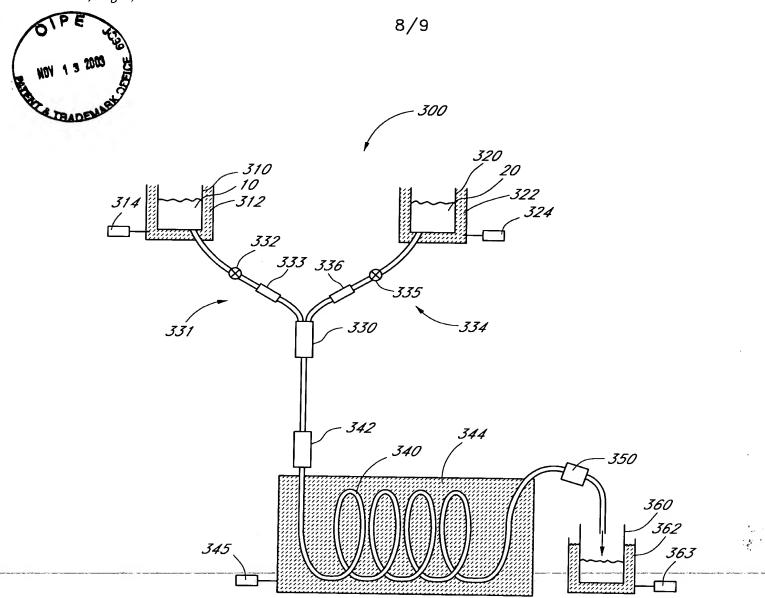


FIG. 7

SOL-GEL PROCESS UTILIZING REDUCED MIXING TEMPERATURES Replacement Sheet Shiho Wang et al. Reply to Office Action Appl. No.: 09/974,725 Atty Docket: SITECH.004A of Aug. 8, 2003 9/9 60--- *70* 80. 80. 

FIG. 8